

FIG 1

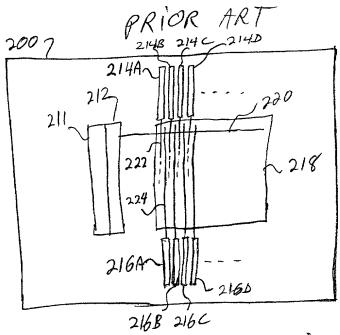


FIG 2A

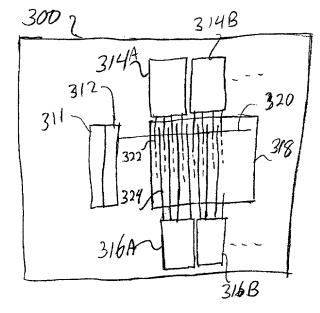
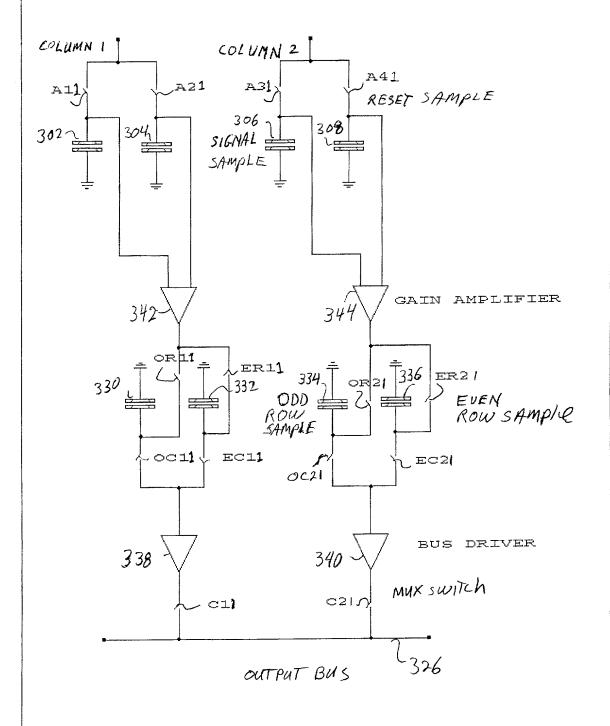


FIG 2B

FIGURE 3: PIPELINED COLUMN BUFFER

## PRIOR ART



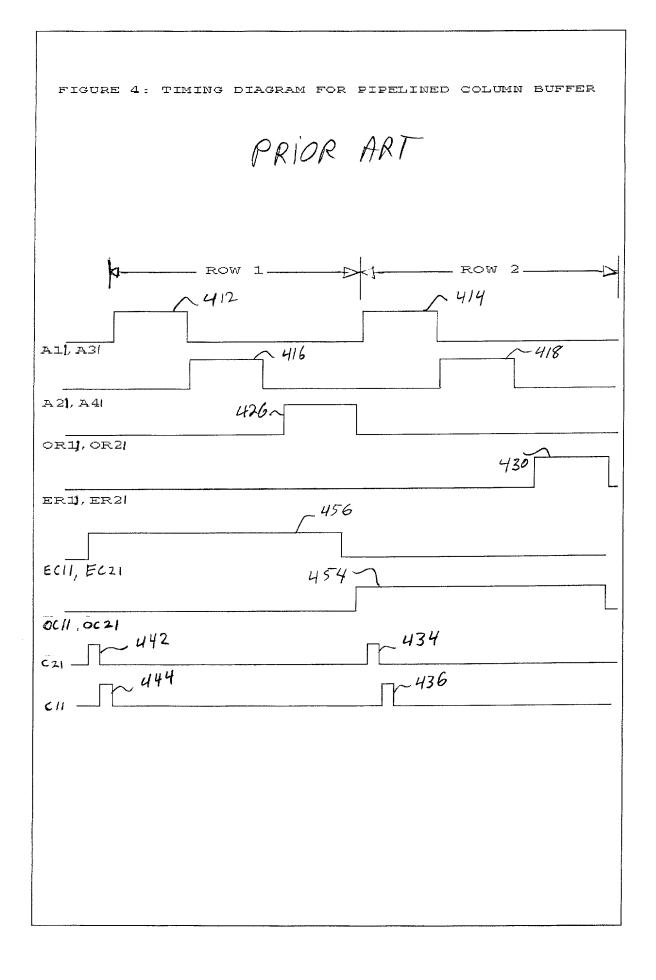


FIGURE 5: MULTIPLEXED, PIPELINED COLUMN BUFFERS. COLUMN3 COLUMN4 COLUMN2 COLUMNI A5 Аб A7 A48A  $\mathbb{A}3$ A2 A1 516 506 508 572 5 H 510 504 502 E B6  $_{\mathtt{B4}}$ в5 в7 вЗ вı GAIN AMPLIFIERS 534 536 ER3 OR4 OR1 or3 oR2 518. ERI ER4 ER2 528 530 532 572 520  $\circ$ C4 EC4 EC2 EC3  $\circ$ C2 003 oci EC1 BUS DRIVER OUTPUTBUS

